

# Mohd Fahrul Hassan

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

217  
citations

1464605

7  
h-index

1336881

12  
g-index

60  
all docs

60  
docs citations

60  
times ranked

310  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Broadband Wide-Angle Metasurface Absorber for Energy Harvesting Applications. , 2021, , .		3
2	Analytical analysis for material efficiency practice: an exploratory study of Malaysia manufacturing cases. Journal of Physics: Conference Series, 2019, 1150, 012006.	0.3	0
3	Interaction of Taguchi Design with Quantitative Analysis of Crystalline Phase in Triaxial Ceramic Employing Palm Oil Fuel Ash Application. Journal of Physics: Conference Series, 2019, 1150, 012031.	0.3	0
4	An integration of kano model and quality function deployment technique - a case study using sport earphone. Journal of Physics: Conference Series, 2019, 1150, 012025.	0.3	3
5	Inter- and intra- observer reliability of the offera method for assessing exposure risk of computer work-related to wmsds. Journal of Physics: Conference Series, 2019, 1150, 012017.	0.3	0
6	Kano model and weighted rating evaluation method for product lifecycle improvement. Journal of Physics: Conference Series, 2019, 1150, 012027.	0.3	1
7	Portable Mini Turntable for Close-Range Photogrammetry: A Preliminary Study. IOP Conference Series: Materials Science and Engineering, 2019, 607, 012011.	0.3	2
8	Preliminary Study of Kansei Engineering (KE) for Societal Performance in Sustainable Product Design. IOP Conference Series: Materials Science and Engineering, 2019, 607, 012012.	0.3	0
9	Effect of Filler Loading on Properties of Polyurethane/Clay Composites. IOP Conference Series: Materials Science and Engineering, 2019, 607, 012003.	0.3	0
10	Application of Design for Six Sigma (DFSS) In Sustainable Product Design: A Case Study on an Electric Kettle. IOP Conference Series: Materials Science and Engineering, 2019, 607, 012002.	0.3	4
11	Calculating of stress intensity factors of soldered joints with multiple cracks. Indonesian Journal of Electrical Engineering and Computer Science, 2019, 14, 284.	0.7	1
12	Mechanical Properties of PCL/PLA Composite Sample Produced from 3D Printer and Injection Molding. International Journal of Integrated Engineering, 2019, 11, .	0.2	1
13	The impact of product design and process design on new product performance in manufacturing industry. AIP Conference Proceedings, 2018, , .	0.3	2
14	The relationship between TQM tools and organisation performance in small and medium enterprise (SMEs). AIP Conference Proceedings, 2018, , .	0.3	2
15	Optimisation of EMI shielding effectiveness: Mechanical and physical performance of mortar containing POFA for plaster work using Taguchi Grey method. Construction and Building Materials, 2018, 176, 509-518.	3.2	15
16	A Fast and Accurate Analytical Method Based on Input Impedance for Antenna Directivity [Antenna Applications Corner]. IEEE Antennas and Propagation Magazine, 2018, 60, 94-99.	1.2	2
17	Relationship Between Musculoskeletal Symptoms and Ergonomic Risk Factors Among Office Workers. Advanced Science Letters, 2018, 24, 587-591.	0.2	1
18	Moderated Mediation of Innovation Between Total Quality Management (TQM) and Business Performance. Advanced Science Letters, 2018, 24, 9316-9319.	0.2	1

#	ARTICLE	IF	CITATIONS
19	Mechanical Performances of Twill Kenaf Woven Fiber Reinforced Polyester Composites. International Journal of Integrated Engineering, 2018, 10, .	0.2	4
20	Surface Roughness and Surface Topography of Inconel 718 in Powder Mixed Dielectric Electrical Discharge Machining (PMEDM). International Journal of Integrated Engineering, 2018, 10, .	0.2	9
21	Mechanical Properties of PCL/PLA/PEG composite blended with different molecular weight (MW) of PEG for Fused Deposition Modelling (FDM) filament wire.. International Journal of Integrated Engineering, 2018, 10, .	0.2	2
22	Comparative study of lean practices between Japanese and Malaysia automotive service centres. AIP Conference Proceedings, 2017, , .	0.3	3
23	Characterization and Mechanical Analysis of PCL/PLA composites for FDM feedstock filament. IOP Conference Series: Materials Science and Engineering, 2017, 226, 012038.	0.3	17
24	Comparative Study of Critical Attributes towards Purchasing Decision between National and Foreign Car in Malaysia. , 2017, , .		0
25	An Evaluation of Mechanical Properties on Kenaf Natural Fiber/Polyester Composite Structures as Table Tennis Blade. Journal of Physics: Conference Series, 2017, 914, 012015.	0.3	7
26	Total quality management practices in Malaysia healthcare industry. AIP Conference Proceedings, 2017, , .	0.3	3
27	PCL/PLA Polymer Composite Filament Fabrication using Full Factorial Design (DOE) for Fused Deposition Modelling. Journal of Physics: Conference Series, 2017, 914, 012017.	0.3	8
28	Review of CO <sub>2</sub> Reduction Technologies using Mineral Carbonation of Iron and Steel Making Slag in Malaysia. Journal of Physics: Conference Series, 2017, 914, 012012.	0.3	5
29	Eco-design of low energy mechanical milling through implementation of quality function deployment and design for sustainability. , 2017, , .		1
30	The Effect of Cutting Speed and Feed Rate on Surface Roughness and Tool Wear when Machining Machining D2 Steel. Materials Science Forum, 2017, 909, 80-85.	0.3	5
31	Designing an Orthotic Insole by Using Kinect®XBOX Gaming Sensor Scanner and Computer Aided Engineering Software. IOP Conference Series: Materials Science and Engineering, 2017, 226, 012026.	0.3	0
32	The comparison of properties and cost of material use of natural rubber and sand in manufacturing cement mortar for construction sub-base layer. IOP Conference Series: Materials Science and Engineering, 2017, 271, 012017.	0.3	1
33	The Relationship between TQM Practices with TQM Tools and Techniques in Small and Medium Enterprise (SMEs). MATEC Web of Conferences, 2017, 135, 00044.	0.1	2
34	Exposure level of ergonomic risk factors in hotel industries. IOP Conference Series: Materials Science and Engineering, 2017, 226, 012018.	0.3	5
35	Application of design for six sigma methodology on portable water filter that uses membrane filtration system: A preliminary study. IOP Conference Series: Materials Science and Engineering, 2017, 243, 012048.	0.3	3
36	Numerical modelling of steel tubes under oblique crushing forces. IOP Conference Series: Materials Science and Engineering, 2017, 226, 012012.	0.3	0

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37	Investigation on Suitability of Natural Fibre as Replacement Material for Table Tennis Blade. IOP Conference Series: Materials Science and Engineering, 2017, 226, 012037.	0.3	3
38	Simulation on the Performance of a Driven Fan Made by Polyester/Epoxy interpenetrate polymer network (IPN). IOP Conference Series: Materials Science and Engineering, 2017, 226, 012017.	0.3	1
39	Electrical Discharge Machining of Polycrystalline Diamond Using Copper Electrode - Finishing Condition. IOP Conference Series: Materials Science and Engineering, 2017, 203, 012019.	0.3	4
40	Design and Development of a Portable Metal Chip Baler using A System Design Approach. MATEC Web of Conferences, 2017, 135, 00018.	0.1	1
41	Review on Design for Medical Device. MATEC Web of Conferences, 2017, 135, 00020.	0.1	2
42	Continuous Improvement and its Barriers in Electrical and Electronic Industry. MATEC Web of Conferences, 2017, 135, 00045.	0.1	3
43	Preliminary Study on Kano Model in the Conceptual Design Activities for Product Lifecycle Improvement. IOP Conference Series: Materials Science and Engineering, 2017, 226, 012022.	0.3	2
44	Recognition of control chart patterns with incomplete samples. IOP Conference Series: Materials Science and Engineering, 2017, 226, 012098.	0.3	0
45	Combined mode I stress intensity factors of slanted cracks. IOP Conference Series: Materials Science and Engineering, 2017, 226, 012011.	0.3	3
46	Quantifying Exposure to Risk Factors Among Office Workers Using ROSA Method. Advanced Science Letters, 2017, 23, 7597-7600.	0.2	5
47	Assessment of Repetitive Tasks Among Workers in Mould Making Manufacturing Industry. Advanced Science Letters, 2017, 23, 4405-4409.	0.2	0
48	A model for predicting J-integral of surface cracks in round bars under combined mode I loading. IOP Conference Series: Materials Science and Engineering, 2017, 226, 012015.	0.3	0
49	SUSTAINABILITY ASSESSMENT METHODOLOGY IN PRODUCT DESIGN: A REVIEW AND DIRECTIONS FOR FUTURE RESEARCH. Jurnal Teknologi (Sciences and Engineering), 2016, 79, .	0.3	4
50	Dissolution Behaviour of Hazardous Materials from Steel Slag with Wet Grinding Method. Journal of Physics: Conference Series, 2016, 725, 012009.	0.3	1
51	Carbon Sequestration and Carbon Capture and Storage (CCS) in Southeast Asia. Journal of Physics: Conference Series, 2016, 725, 012010.	0.3	8
52	Sustainability evaluation of alternative part configurations in product design: weighted decision matrix and artificial neural network approach. Clean Technologies and Environmental Policy, 2016, 18, 63-79.	2.1	18
53	Evaluation of Sustainability Performance of Product Design Element Concepts Using Analytic Hierarchy Process. Applied Mechanics and Materials, 2013, 315, 799-808.	0.2	5
54	Selection of Product Design Configuration for Improved Sustainability Using the Product Sustainability Index ( $\langle i \rangle \text{ProdSI} \langle /i \rangle$ ) Scoring Method. Applied Mechanics and Materials, 2013, 315, 51-56.	0.2	7

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55	Integration of morphological analysis theory and artificial neural network approach for sustainable product design: a case study of portable vacuum cleaner. International Journal of Sustainable Manufacturing, 2012, 2, 293.	0.3	7
56	An Integrated MA-AHP Approach for Selecting the Highest Sustainability Index of a New Product. Procedia, Social and Behavioral Sciences, 2012, 57, 236-242.	0.5	19
57	Spontaneous appendico-cutaneous fistula, after drainage of a right loin abscess – A case report. International Journal of Surgery, 2008, 6, e97-e99.	1.1	9
58	A Decision Tool for Product Configuration Designs Based on Sustainability Performance Evaluation. Advanced Materials Research, 0, 903, 384-389.	0.3	2
59	Frame work for the Development of Occupational Safety and Health Assessment Model for Libyan Iron and Steel Industry. IOP Conference Series: Materials Science and Engineering, 0, 607, 012004.	0.3	0